BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ame of Work: Detailed Estimate for the work of Construction of Meeting hall in Judicial ıyout. | **Estimate Cost Rs. 2500000.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3) SR 2016-17	cum							
	coloumns for roof struss	2x4	8	1.00	1.00	1.00	8.00		
	for SSM		2	21.00	0.90	0.75	28.35		
			2	11.00	0.90	0.75	14.85		
	Basic Rate	189.00					**51.20**	**204.12**	**10451.00**
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
	Basic Rate for loading and unloading	68.00	**Vide Item No. 1**				**51.20**	**87.26**	**4468.00**
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 8%	6.46							
	Total	**87.26**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2016-17	**Cum**							
	coloumns for roof struss	2x4	8	1.00	1.00	0.15	1.20		
	for SSM		2	21.00	0.75	0.15	4.73		
			2	11.00	0.75	0.15	2.48		
	for flat form floorig		1	21.00	11.00	0.15	34.65		
							43.05	**5449.68**	**234609.00**
	Basic Rate	5046.00							
	Area Weightage @ 8%	403.68							
	Total	**5449.68**							
4	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6) PWD SR 2016-17	Cum (Sqm)							
	for SSM foundation		2	21.00	0.60	0.40	10.08		
			2	11.00	0.60	0.40	5.28		
	basement						0.00		
			2	21.00	0.45	0.40	7.56		
			2	11.00	0.45	0.40	3.96		
							26.88	4521.96	**121550.00**
	Basic Rate	4187.00							
	Area Weightage @ 8%	334.96							
	Total	**4521.96**							
6	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1) PWD SR 2016-17	Sqm							
			2	21.00		0.20	8.40		
			2	11.00		0.20	4.40		

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							12.80	104.76	**1341.00**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
6	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum							
	for flatform		1	21.00	11.00	0.30	69.30		
							69.30	**326.16**	**22602.89**
	Basic Rate	302.00							
	Area Weightage @ 8%	24.16							
	Total	**326.16**							
	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
		2x4	8	1.00	1.00	0.90	7.20		
	plat form		1	4.00	4.00	0.10	1.60		
							8.80	**6491.88**	**57129.00**
	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	**Quintal**							
	for 60 kg/cum		0.600	**7.20**			4.32		
				7.20			**4.32**	**7067.50**	**30532.00**
	Basic Rate	7067.50							
10 9	Fabricating supplying and erecting M.S. TubulerTruss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded toghter with 6mm gusset plate as per drawing, The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, with all lead and lift, transportation, etc, complete as per specification Page No. 45/ I No. 7.29/ PWD SR 2016-17	Kgs							
	50mm dia foundation bolts 0.45mtrs long = 8x8x0.6= 38.40 rmt@2.47kg/rmtr= 94.84		38.40	2.47			94.85		
	nuts 8 x8 = 64 Nos @ 0.05kg/mtrs = 3.20 kg		64	0.05			3.20		
	30cm base squre plate 12mm thick x 3Nos for each columns = 8x3 x0.45x0.45 = 4.86 @93.60kgs/sq		4.86	93.60			454.90		
	30cm dia MS pipe 6mm thick for each coloumns = 6.0mt height x 8 Nos = 48 @ 47.50 kg/mtrs		48	47.50			2280.00		
	ISMC-125								
	8 Nos x 1.80 = 28.80 @ 15.kg/mtrs		14.4	15.00			216.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	75mm dia MS Pipe medium grade 4x2 Nos x 23 Mtrs @ 5.03kg/mtrs		184	5.03			925.52		
	40mm dia medium pipe 4 x 35 Nos x 0.75 @ 2.71 kg/mtrs		105	2.71			284.55		
	40mm dia medium pipe 4 x 36 Nos x 0.50 @ 2.71kg/mtrs		72	2.71			195.12		
	MS rectangular tubes (perlins) 2"x2" = 37Nox 2.5 length x 35 kgs = 3237.5						3237.50		
	2"x2" L Angle Clite 6 length x 6mtrs x 2.5 kg / length =90						90.00		
							7782.00	130.68	**1016952.00**
	Basic Rate	110.00							
	Area Weightage @ 8%	8.80							
	Total	**118.80**							
	Add GST 10%	**11.88**							
	Total	**130.68**							
10	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick **Granite slab over** existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. using gray granite Page No. 115/ Item No. 14.47.1 / PWD SR 2016-17	**sqm**	1	22.00		11.00	242.00		
							242.00	**2776.14**	**671826.00**
	Basic Rate	2619.00							
	Area Weightage @ 6%	157.14							
	Total	**2776.14**							
11	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. No. 300/ Item No. 38.30 PWD SR 2016-17	sqm							
	GI Sheet (0.5mm)		1	23.00	12.00		276.00		
							276.00	831.60	**229522.00**
	Basic Rate	770.00							
	Area Weightage @ 8%	61.60							
	Total	**831.60**							
							TOTAL (A)		**2400983.00**
	B) Electrification work for Meeting hall								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Sl.No.	Description of Work	Qty.					Rate Rs.	Unit	Amount
2/1.2.1 12	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick PWD Electrical SR 2014-15	125					43.00	Mtrs	5375.00
2/1.3.1 13	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.19/20mm dia 2mm thick PWD Electrical SR 2014-15	45					56.00	Mtrs	2520.00
3/1.12 14	Supplying And Fixing Metal Fan Box with Round Hook. PWD Electrical SR 2014-15	6					92.00	Nos	552.00
2/1.5.1 15	Supplying and fixing PVC/metal conduit Deep junction box.19/20mm deep junction box PWD Electrical SR 2014-15	20					47.00	Nos	940.00
3/1.6.3 16	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete.10"x7"x3" (254x178x76mm) PWD Electrical SR 2014-15	2					87.00	Nos	174.00
	4)8"x6"x3" (203x152x76mm)	4					73.00	Nos	292.00
	1)12"x12"x3" (300x300x76mm)	1					116.00	Nos	116.00